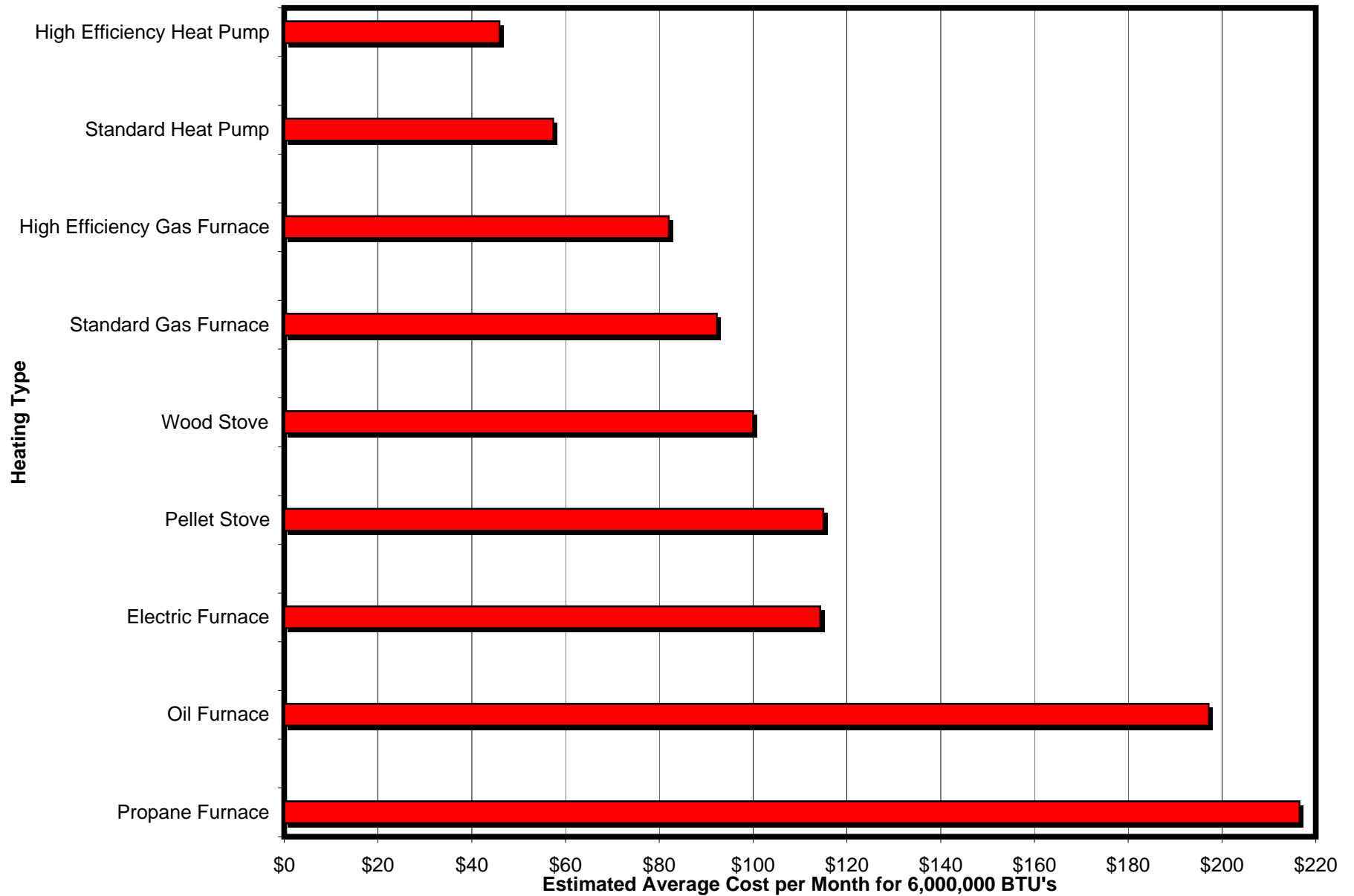


Heating System Cost Analysis



Heating System Cost Analysis

Heating System	Formula	Fuel Units	Cost per Fuel Unit	Cost per Million BTU	Estimated Cost per Month
	1,000,000 Btuh				
UEC Program, High Efficiency Heat Pump	3412 kWh/BTU X 3.412 / 8.5 HSPF	117.65	kWh x \$0.065 =	\$ 7.65	\$ 45.88
	1,000,000 Btuh				
Standard Electric Heat Pump	3412 kWh/BTU X 3.412 / 6.8 HSPF	147.06	kWh x \$0.065 =	\$ 9.56	\$ 57.35
	1,000,000 Btuh				
High Efficiency Gas Furnace	(100,000/Therm X 90% A.F.U.E. Efficiency)	11.11	Therms X \$1.23 =	\$ 13.67	\$ 82.00
	1,000,000 Btuh				
Standard Efficiency Gas Furnace	(100,000/Therm X 80% A.F.U.E. Efficiency)	12.50	Therms X \$1.23 =	\$ 15.38	\$ 92.25
	1,000,000 Btuh				
Wood Stove	(19,000,000/Cord X 60% A.F.U.E. Efficiency)	0.09	Cords X \$190.00 =	\$ 16.67	\$ 100.00
	1,000,000 Btuh				
Pellet Stove	(16,400,000 BTU/Ton X 70% A.F.U.E. Efficiency)	0.09	Tons X \$220.00 =	\$ 19.16	\$ 114.98
	1,000,000 Btuh				
Electric Furnace	(3412 BTU/kWh X 100% A.F.U.E. Efficiency)	293.08	kWh x \$0.065 =	\$ 19.05	\$ 114.30
	1,000,000 Btuh				
Oil Furnace	(140,000 BTU/Gal. X 80% A.F.U.E. Efficiency)	8.93	Gals. X \$3.68 =	\$ 32.86	\$ 197.14
	1,000,000 Btuh				
Standard Efficiency Propane Furnace	(91,800 BTU/Gal. X 80% A.F.U.E. Efficiency)	13.62	Gals. X \$2.65 =	\$ 36.08	\$ 216.50

Efficiency ratings for combustion heating systems represent an average "Annual Fuel Utilization Efficiency" (A.F.U.E.).
Blower fan costs NOT included with combustion systems - up to \$1 per month. Blower fan costs ARE included with heat pump examples!
New systems can be more efficient. Older systems will be less efficient. Estimated cost per month based on 6 million BTUs of heating produced per month.